



## MTCC Africa Overview

# Capacity Building For Climate Change Mitigation In The Maritime Shipping Industry

## Sustainable Port Initiatives – Understanding Marpol Annex VI

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On behalf of MTCC Africa team



This project is financed by the  
European Union  
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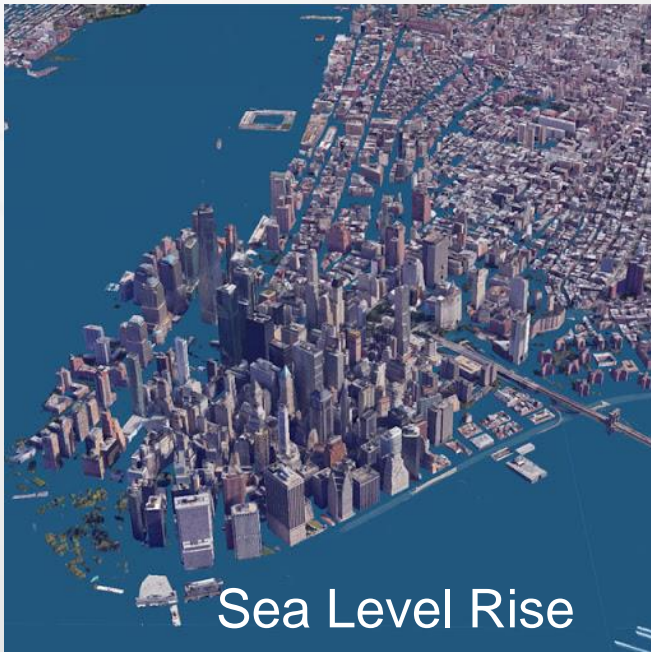
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# MTCC Africa Background

- Maritime sector relies heavily on fossil fuel
- Emission of greenhouse gases causes global warming
- Sustainability of economic growths/resources there is need for
  - Efficient use of energy
  - Reduce emissions/pollution



IMO has set technical cooperation as a key agenda whose focus is

- Technology transfer on Energy efficiency – Resolution MEPC.229(65)
- GHG emissions reduction - Resolution MEPC.304(72)
- Maritime Technical Cooperation Centre (MTCC) Africa was set up by IMO to build Capacity for
  - Energy efficiency
  - Lowering emissions

# Background...contd

## MTCC Africa

- A Global MTCC Network (**GMN**) initiative funded by European Union through IMO
- Mandate is **Capacity Building** for Climate Change Mitigation in the Maritime Shipping Industry
- There are **5 MTCCs** in the world



**GMN Network**



**JKUAT, Kenya**



**International Maritime University of  
Panama**



**Shanghai Maritime university,  
China**



**University of Trinidad & Tobago**



**Pacific Community, Fiji**



# Project Objectives

## Vision

To be a **Centre of Excellence** promoting the **uptake of low carbon technologies and energy efficient practices** in the maritime shipping industry in Africa for climate change mitigation



## Objectives

- To **improve regional compliance** with international regulations on energy efficiency in shipping
- Promote **uptake** of low-carbon technologies and operations
- Raising **awareness** on need to reduce GHG and other emissions from maritime
- Research and Development (**R&D**) and other **sustainability** strategies

# MTCC Africa Scope

- MTCC Africa has **5 focal point** partners
  - Collaborates with more than **40 countries** in Africa
- MTCC Africa **project office** is a collaboration between **JKUAT, KMA and KPA**
- Other **stakeholders**: SDMA, MET, Directorate of climate change, PMEASA, among others
- **Staff** of MTCC Africa
  - **3** fulltime staff **5** Part time staff
  - **JKUAT/KPA/KMA/SDMA**, etc – Contribute in kind



# MTCC Africa Milestones

## a) Pilot projects

- Pilot Project 1: Energy Saving/Emission Reduction Strategies at Port of Mombasa and Port of Doula
- Pilot Project 2: Fuel Consumption Data Collection System (DCS)



## b) Regional workshops for capacity building

- Mombasa Whitesands Hotel
- Seychelles Hotel Avani
- Sulphur cap workshop in Mombasa
- Lisbon workshop
- Confex workshop in South Africa

# Prospects and Sustainability

How can we work together?

- Capacity building
  - Workshops on Regulations
- Monitor Energy Efficiency
  - Study baseline status at African ports
  - Opportunities for Energy Efficiency
- Monitor GHG emissions
  - Shipping lines fossil fuel emissions
  - Emissions at the ports







# Welcome to the Workshop

# THANK YOU!

